CANNED FISH & BYPRODUCTS — 1954

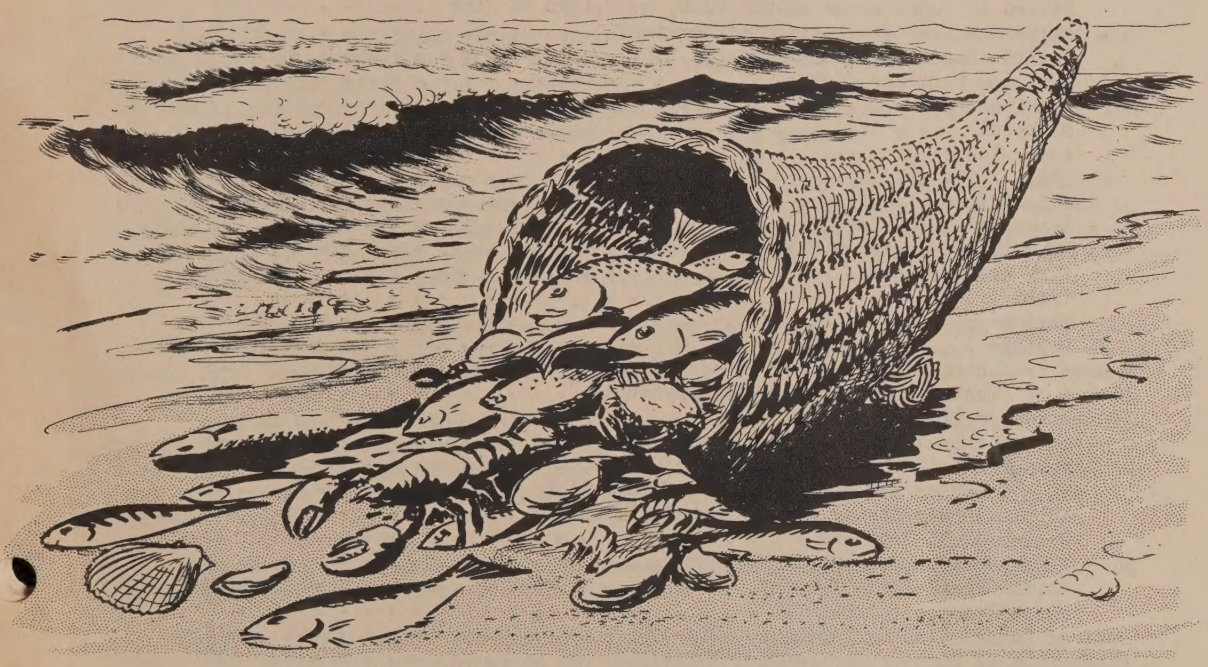
Department of the Interior
Washington 25, D.C.

United States, Alaska, American Samoa, Hawaii, and Puerto Rico

Fish and Wildlife Service
Branch of Commercial Fisheries

C. F. S. No. 1127

Annual Summary



VALUE OF CANNED FISH AND BYPRODUCTS 1934 - 1954

YEAR	CANNED	BYPRODUCTS	TOTAL
1954.	$331,026,000	$81,571,000	$412,597,000
1953.	306,873,674	74,371,996	381,245,670
1952.	305,829,198	67,991,631	373,820,829
1951.	301,210,295	69,313,027	370,523,322
1950.	331,335,347	77,188,366	408,523,713
1949.	295,503,905	78,472,495	373,976,400
1948.	336,181,000	79,866,000	416,027,000
1947.	310,679,000	80,592,000	391,271,000
1946.	227,629,000	76,643,000	304,272,000
1945.	152,800,000	58,211,000	211,011,000
1944.	152,914,000	63,299,000	216,213,000
1943.	141,189,000	59,136,000	200,325,000
1942.	144,997,000	50,897,000	195,894,000
1941.	138,684,000	56,801,000	195,485,000
1940.	94,182,000	30,554,000	124,736,000
1939.	96,627,000	34,039,000	130,666,000
1938.	83,446,000	30,576,000	114,022,000
1937.	105,175,000	36,804,000	141,979,000
1936.	94,564,000	34,969,000	129,533,000
1935.	74,999,000	29,520,000	104,519,000
1934.	80,021,000	22,598,000	102,619,000

PRODUCTION OF CANNED FISHERY PRODUCTS AND BYPRODUCTS, 1954

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Source of Data--Since 1921, The Branch of Commercial Fisheries of the Fish and Wildlife Service has made annual surveys for statistics of the domestic production of Canned Fishery Products and Byproducts. The data collected include statistics on the production and value of each canned commodity by can sizes and trade classifications. The value shown for the products constitutes the gross amount received by the producer at the production point, no deductions being made for commission or expenses. Statistics on the canned fishery products and byproducts produced in Alaska are obtained by the Branch of Alaska Fisheries of the Service. The Hawaiian canned tuna production was furnished by the Board of Commissioners of Agriculture and Forestry of the Territory of Hawaii- Division of Fish and Game.

PRODUCTION OF CANNED FISHERY PRODUCTS AND BYPRODUCTS, 1954

The pack of canned fishery products in the United States, Alaska, American Samoa, Hawaii, and Puerto Rico in 1954 amounted to 867,986,000 pounds, valued at $331,027,000 to the packers. This was an increase of 10 percent in volume and 8 percent in value compared with the previous year. Increased packs of tuna, Maine and Pacific sardines, salmon, and fish packed for pet food were responsible for the gain in production. Record packs of tuna and pet food were canned during the year. During 1954, canned fishery products were packed in 400 plants in 25 States and the four territories mentioned above.

The pack of tuna and tunalike fishes exceeded that of any other item in both volume and value in 1954. The canned production of these fish amounted to 10,889,000 standard cases (214,454,000 pounds), valued at $142,149,000. This was an increase of 1,309,000 standard cases, and $15,891,000 compared with 1953. The value of the tuna pack was 54 percent greater than that of the second place salmon. During 1954 tuna was packed in 7 States, American Samoa, Hawaii, and Puerto Rico. This was the first year these fish were canned in American Samoa.

The 1954 pack of canned salmon amounted to 4,163,000 standard cases (199,831,000 pounds), valued at $92,281,000 to the canners. This was an increase of 6 percent in volume and 11 percent in value compared with the previous year. The largest pack of sockeye salmon in the Puget Sound area since 1913, and an unusually large pack of chum salmon in southeastern Alaska were responsible for the gain.

Pacific sardines returned to southern California waters in 1954 after an almost complete absence the previous two years. The catch of 133 million pounds was used to produce a pack of 1,333,000 standard cases (59,969,000 pounds), compared with less than 64,000 cases in 1953. Had there been a market for additional supplies of canned sardines, it is estimated that the pack could have been doubled.

The pack of Maine sardines amounted to 2,935,000 standard cases (59,579,000 pounds), valued at $18,153,000 to the packers. Compared with the previous year, this was an increase of 5 percent in volume and 7 percent in value.

The packs of Pacific and jack mackerel declined sharply in 1954 compared with the previous year. The decreases were caused by inability of fishermen to locate schools of these fish. A reduction of over 50 percent in the pack of anchovies was caused by a lack of a market for these fish in the Phillippines where most of the pack had been sold in recent years.

Both the packs of oysters (446,000 standard cases), and shrimp (935,000 standard cases) were nearly 10 percent less than in 1953.

The 1954 production of fishery byproducts in the United States, Alaska, American Samoa, and Puerto Rico was valued at $81,571,000 --10 percent more than in the previous year. The production of fish meal amounted to 256,915 tons, valued at $32,748,000 -- a new record. The production of meal was nearly 18,000 tons more than in the previous year, and 13,000 tons above the previous 1936 record production. The volume of feed material produced in 1954 was far larger than in 1936 since the production in that year included 23,482 tons of menhaden acid scrap used as fertilizer. No acid scrap was manufactured in 1954. The production of menhaden meal in 1954 amounted to 183,091 tons -- a new record. A total of 6,513 tons of Pacific sardine meal was produced during the year --6,369 tons more than in the previous year, but only 5 percent of the record yield of this meal (121,739 tons) which occurred in 1936 when the sardine fishery was at its peak. In addition to the fish meal produced for animal feed, 57,886,000 pounds of homogenized condensed fish and 172,173,000 pounds of condensed fish solubles were also manufactured for use in mixed animal feeds.

The production of marine animal oils in the United States and Alaska during 1954 amounted to 22,144,000 gallons, valued at $13,136,000 to the producers. This was an increase of 9 percent in volume compared with 1953, but was only 55 percent of the record 1936 production when 39,902,000 gallons of oils were produced.

Other important byproducts produced during the year were marine pearl-shell, oyster-shell, and fresh water products valued at $15,843,000. Byproducts were produced in 227 plants in 25 States, Alaska, American Samoa, and Puerto Rico during 1954.

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SUMMARY OF PRODUCTION, BY COMMODITIES, 1954

PRODUCT	NUMBER OF PLANTS	STANDARD CASES	POUNDS PER CASE	POUNDS	VALUE
CANNED PRODUCTS:					
SALMON:					
UNITED STATES	40	1,068,394	48	51,282,912	$28,923,820
ALASKA	89	3,094,753	48	148,548,144	63,356,724
TOTAL	129	4,163,147		199,831,056	92,280,544
SARDINES:					
MAINE	44	2,934,933	20.3	59,579,140	18,152,815
PACIFIC	22	1,332,653	45	59,969,385	9,783,532
ANCHOVIES	17	496,870	31.25	15,527,188	2,722,640
TUNA AND TUNALIKE FISHES:					
TUNA:					
SOLID	40	3,389,007	21	71,169,147	50,713,077
CHUNKS	33	5,497,331	19.5	107,197,954	73,733,300
FLAKES AND GRATED	37	1,924,511	18	34,641,198	17,057,922
TOTAL TUNA	1/42	10,810,849		213,008,299	141,504,299
TUNALIKE FISHES:					
SOLID	4	12,248	21	257,208	101,935
CHUNKS	4	2,913	19.5	56,804	26,592
FLAKES	11	62,888	18	1,131,984	515,990
TOTAL TUNALIKE FISHES	1/12	78,049		1,445,996	644,517
TOTAL TUNA AND TUNALIKE FISHES	1/42	10,888,898		214,454,295	142,148,816
ALEWIVES	13	65,716	45	2,957,220	290,550
MACKEREL	23	329,098	45	14,809,410	2,230,593
SHAD	3	4,042	45	181,890	33,332
STURGEON, SMOKED	5	530	48	25,440	32,596
FISH ANIMAL FOOD	35	4,121,942	48	197,853,216	18,824,513
FISH CAKES (PRINCIPALLY GROUNDFISH)	4	104,312	48	5,006,976	1,295,345
FISH FLAKES (GROUNDFISH), PASTE, AND SPREAD	5	17,764	48	852,672	394,261
FISH SPECIALTIES AND MISCELLANEOUS FISH	18	306,754	48	14,724,192	2,764,876
FISH ROE AND CAVIAR	43	60,287	48	2,893,776	1,843,499
TOTAL FISH		24,826,946		788,665,856	292,797,912
CLAM PRODUCTS:					
WHOLE CLAMS	21	63,342	15	2/950,130	670,102
MINCED CLAMS	21	344,994	15	2/5,174,910	3,864,606
CHOWDER	14	1,179,168	30	2/35,375,040	7,530,268
JUICE	9	50,159	30	2/1,504,770	236,057
TOTAL CLAM PRODUCTS	37	1,637,663		43,004,850	12,301,033
CLAM SPECIALTIES	6	2,673	48	128,304	25,212
CRAB MEAT, NATURAL	42	152,475	19.5	2,973,264	3,699,293
CRAB SPECIALTIES	7	4,428	48	212,544	59,027
LOBSTER SPECIALTIES	8	4,093	48	196,464	162,841
SHRIMP, NATURAL, WET PACK	43	934,721	15	3/14,020,815	13,691,253
SHRIMP SPECIALTIES	13	6,364	48	305,472	100,702
SQUID	8	135,072	48	6,483,456	472,405
OYSTERS, NATURAL	41	446,084	14	3/6,245,176	5,829,378
OYSTER SPECIALTIES, INCLUDING SMOKED	18	106,997	48	5,135,856	1,640,574
TERRAPIN AND TURTLE MEAT, SOUP, AND STEW	8	8,879	48	426,192	144,684
MISCELLANEOUS SHELLFISH AND SPECIALTIES	8	3,912	48	187,776	102,196
TOTAL SHELLFISH		3,443,361		79,320,169	38,228,598
TOTAL FISH AND SHELLFISH	400	28,270,307		867,986,025	331,026,510

		UNIT	QUANTITY	VALUE
BYPRODUCTS:				
MARINE ANIMAL SCRAP AND MEAL	149	TONS	256,915	$32,747,765
MARINE ANIMAL OILS:				
BODY OIL	88	GALLONS	21,628,016	11,413,523
LIVER AND VISCERA OIL	10	DO	516,261	1,722,530
MARINE PEARL-SHELL BUTTONS	21	GROSS	4,040,491	6,799,332
MUSSEL-SHELL PRODUCTS, FRESH-WATER	12	-	-	4,871,200
OYSTER-SHELL PRODUCTS	23	TONS	482,687	4,172,518
FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH	35	POUNDS	230,059,054	10,591,709
MISCELLANEOUS BYPRODUCTS	15	-	-	9,252,219
TOTAL BYPRODUCTS	227	-	-	81,570,796
GRAND TOTAL	579	-	-	412,597,306

1/ EXCLUSIVE OF DUPLICATION. 2/ "CUT OUT" OR "DRAINED" WEIGHTS OF CAN CONTENTS ARE GIVEN FOR WHOLE OR MINCED CLAMS, AND NET CAN CONTENT FOR OTHER CLAM PRODUCTS. 3/ DRAINED WEIGHT.

NOTE:--LISTS OF CANNERS AND MANUFACTURERS OF FISHERY BYPRODUCTS BY INDIVIDUAL COMMODITIES MAY BE OBTAINED FROM THE FISH AND WILDLIFE SERVICE, WASHINGTON 25, D.C.

SUMMARY OF PRODUCTION, BY STATES, 1954

STATE	CANNED		BYPRODUCTS	TOTAL
	POUNDS	VALUE	VALUE	VALUE
MAINE	110,768,002	$24,219,696	$2,722,356	$26,942,052
MASSACHUSETTS, CONNECTICUT, RHODE, ISLAND	49,146,183	5,920,397	9,132,921	15,053,318
NEW YORK	9,610,359	1,932,948	4,418,907	6,351,855
NEW JERSEY	23,379,111	6,534,706	10,556,906	17,091,612
PENNSYLVANIA, DELAWARE	8,385,846	2,189,089	8,568,331	10,757,420
MARYLAND, PUERTO RICO	6,980,983	2,959,335	1,945,218	4,904,553
VIRGINIA	5,319,423	639,409	6,927,405	7,566,814
NORTH CAROLINA	956,169	516,451	3,712,297	4,228,748
SOUTH CAROLINA, GEORGIA	1,271,983	1,346,637	106,273	1,452,910
FLORIDA, ALABAMA	752,278	660,338	1,679,991	2,340,329
MISSISSIPPI	48,320,215	9,479,615	1,484,400	10,964,015
LOUISIANA	13,183,847	12,341,090	7,559,164	19,900,254
TEXAS	-	-	1,751,198	1,751,198
ILLINOIS, MICHIGAN, OHIO, TENNESSEE, WISCONSIN	12,020,208	1,020,534	-	1,020,534
IOWA	-	-	4,834,148	4,834,148
ARKANSAS, MINNESOTA, MISSOURI	-	-	67,899	67,899
WASHINGTON	64,908,199	32,524,805	1,278,942	33,803,747
OREGON, HAWAII, SAMOA	27,004,092	18,386,407	305,821	18,692,228
CALIFORNIA	336,221,809	145,247,976	13,603,233	158,851,209
ALASKA	149,757,318	65,107,077	915,386	66,022,463
TOTAL	867,986,025	331,026,510	81,570,796	412,597,306

FACTORS USED TO CONVERT STANDARD CASES TO POUNDS

PRODUCT	PRIOR TO 1938	1939 AND 1940	1941	1942
	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE
SARDINES:				
MAINE	25	25	25	20.3
PACIFIC	48	48	48	45
TUNA AND TUNALIKE FISHES:				
SOLID	24	24	21	22.5
CHUNKS	-	-	-	-
FLAKES	24	24	21	18
MACKEREL	48	48	48	45
ALEWIVES	48	48	48	48
ANCHOVIES	48	48	48	48
SHAD	48	48	48	48
FISH FLAKES	48	48	48	48
OYSTERS	15	15	15	15
SHRIMP:				
WET PACK	17.25	17.25	17.25	21
DRY PACK	15	15	15	19.5
CLAM PRODUCTS:				
WHOLE AND MINCED	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30
CRABS	48	39	39	39
ALL OTHER	48	48	48	48

PRODUCT	1943	1944 TO 1947	1948 TO 1951	1952	1953 AND 1954
	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE
SARDINES:					
MAINE	20.3	20.3	20.3	20.3	20.3
PACIFIC	45	45	45	45	45
TUNA AND TUNALIKE FISHES:					
SOLID	22.5	21	21	21	21
CHUNKS	-	(1)	(1)	19.5	19.5
FLAKES	18	18	18	18	18
MACKEREL	45	45	45	45	45
ALEWIVES	45	45	45	45	45
ANCHOVIES	48	48	48	48	31.25
SHAD	48	45	45	45	45
FISH FLAKES	48	42	42	42	42
OYSTERS	22.5	22.5	14	14	14
SHRIMP:					
WET PACK	21	21	15	15	15
DRY PACK	19.5	-	-	15	15
CLAM PRODUCTS:					
WHOLE AND MINCED	15	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30	30
CRABS	39	39	19.5	19.5	19.5
ALL OTHER	48	48	48	48	48

1/ PRIOR TO 1952 CHUNK PACK TUNA WAS INCLUDED WITH THE FLAKE PACK.

NOTE:--THE FACTORS LISTED ABOVE WERE USED IN CONVERTING THE STANDARD CASES REPORTED IN THE CANNED FISHERY PRODUCTS BULLETINS FOR THE YEARS INDICATED. THE CASES SHOWN FOR ALL YEARS LISTED IN THE HISTORICAL SECTION ON PAGE 17 REPRESENT THE SAME SIZED CASES REPORTED FOR 1954.

PACK OF CANNED SALMON, 1954

(IN STANDARD CASES)

SPECIES AND CAN SIZE	ALASKA							
	SOUTHEASTERN		CENTRAL		WESTERN		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING:								
1-POUND TALL	1,219	$27,304	7,832	$182,373	8,348	$194,382	17,399	$404,059
1-POUND FLAT	-	-	797	21,624	30	780	827	22,404
1/2-POUND FLAT	1,332	4,154	13,010	389,644	12,096	367,047	26,438	760,845
7-OUNCE TUNA	68	4,428	6,592	181,842	-	-	6,660	186,270
4-POUND TALL	23	506	26	572	-	-	49	1,078
TOTAL	2,642	36,392	28,257	776,055	20,474	562,209	51,373	1,374,656
CHUM OR KETA:								
1-POUND TALL	544,528	7,963,517	358,404	5,146,971	29,427	426,143	932,359	13,536,631
1/2-POUND FLAT	29,382	504,241	13,837	229,028	10,114	170,246	53,333	903,515
4-POUND TALL	14,682	219,537	6,577	106,463	-	-	21,259	326,000
TOTAL	588,592	8,687,295	378,818	5,482,462	39,541	596,389	1,006,951	14,766,146
PINK:								
1-POUND TALL	460,513	9,073,336	579,673	10,930,398	3,000	56,972	1,043,186	20,060,706
1-POUND FLAT	-	-	320	6,400	-	-	320	6,400
1/2-POUND FLAT	51,499	1,235,691	24,561	560,021	6,835	156,994	82,895	1,952,706
4-POUND TALL	3,154	63,561	7,237	146,742	-	-	10,391	210,303
TOTAL	515,166	10,372,588	611,791	11,643,561	9,835	213,966	1,136,792	22,230,115
RED OR SOCKEYE:								
1-POUND TALL	68,008	1,842,885	166,661	4,482,640	294,211	8,357,272	528,880	14,682,797
1-POUND FLAT	-	-	3,443	96,404	-	-	3,443	96,404
1/2-POUND FLAT	40,899	1,312,100	127,541	4,073,152	26,547	856,643	194,987	6,241,895
7-OUNCE TUNA	-	-	1,304	35,784	-	-	1,304	35,784
4-POUND TALL	3,588	98,280	136	3,808	-	-	3,724	102,088
TOTAL	112,495	3,253,265	299,085	8,691,788	320,758	9,213,915	732,338	21,158,968
SILVER OR COHO:								
1-POUND TALL	56,029	1,258,264	44,341	933,142	1,948	40,278	102,318	2,231,684
1-POUND FLAT	-	-	130	2,925	-	-	130	2,925
1/2-POUND FLAT	25,499	662,628	14,227	384,295	4,277	104,267	44,003	1,151,190
7-OUNCE TUNA	1	45	1,593	42,164	-	-	1,594	42,209
4-POUND TALL	2,515	58,504	16,739	340,327	-	-	19,254	398,831
TOTAL	84,044	1,979,441	77,030	1,702,853	6,225	144,545	167,299	3,826,839
GRAND TOTAL	1,302,939	24,328,981	1,394,981	28,296,719	396,833	10,731,024	3,094,753	63,356,724

PACK OF CANNED SALMON, 1954 - Continued

(IN STANDARD CASES)

SPECIES AND CAN SIZE	UNITED STATES						GRAND TOTAL, UNITED STATES AND ALASKA	
	WASHINGTON		OREGON		TOTAL UNITED STATES			
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING:								
1-POUND TALL	3,619	$66,394	145	$3,644	3,764	$70,038	21,163	$474,097
1-POUND FLAT	-	-	579	22,308	579	22,308	1,406	44,712
1/2-POUND FLAT	14,811	494,791	1/53,534	1/1,862,021	68,345	2,356,812	94,783	3,117,657
7-OUNCE TUNA	-	-	-	-	-	-	6,660	186,270
1/4-POUND FLAT	738	26,093	5,005	226,690	5,743	252,783	5,743	252,783
4-POUND TALL	129	2,859	-	-	129	2,859	178	3,937
TOTAL	19,297	590,137	59,263	2,114,663	78,560	2,704,800	129,933	4,079,456
CHUM OR KETA:								
1-POUND TALL	247,771	3,679,300	5,042	76,285	252,813	3,755,585	1,185,172	17,292,216
1/2-POUND FLAT	41,459	744,067	31	620	41,490	744,687	94,823	1,648,202
1/4-POUND FLAT	1	30	-	-	1	30	1	30
4-POUND TALL	28,501	555,377	-	-	28,501	555,377	49,760	881,377
TOTAL	317,732	4,978,774	5,073	76,905	322,805	5,055,679	1,329,756	19,821,825
PINK:								
1-POUND TALL	1,863	35,845	-	-	1,863	35,845	1,045,049	20,096,551
1-POUND FLAT	-	-	-	-	-	-	320	6,400
1/2-POUND FLAT	12,233	282,972	-	-	12,233	282,972	95,128	2,235,678
4-POUND TALL	238	5,152	-	-	238	5,152	10,629	215,455
TOTAL	14,334	323,969	-	-	14,334	323,969	1,151,126	22,554,084
RED OR SOCKEYE:								
1-POUND TALL	129,134	3,533,479	-	-	129,134	3,533,479	658,014	18,216,276
1-POUND FLAT	-	-	-	-	-	-	3,443	96,404
1/2-POUND FLAT	424,407	14,159,756	3,514	129,399	427,921	14,289,155	622,908	20,531,050
7-OUNCE TUNA	-	-	-	-	-	-	1,304	35,784
1/4-POUND FLAT	25,977	1,052,186	1,839	80,821	27,816	1,133,007	27,816	1,133,007
4-POUND TALL	6,621	175,231	-	-	6,621	175,231	10,345	277,319
TOTAL	586,139	18,920,652	5,353	210,220	591,492	19,130,872	1,323,830	40,289,840
SILVER OR COHO:								
1-POUND TALL	11,980	252,991	232	5,320	12,212	258,311	114,530	2,489,995
1-POUND FLAT	-	-	-	-	-	-	130	2,925
1/2-POUND FLAT	15,871	407,315	1/6,245	1/162,356	22,116	569,671	66,119	1,720,861
7-OUNCE TUNA	-	-	--	-	-	-	1,594	42,209
1/4-POUND FLAT	5,279	175,636	4,908	168,364	10,187	344,000	10,187	344,000
4-POUND TALL	3,309	78,215	-	-	3,309	78,215	22,563	477,046
TOTAL	36,439	914,157	11,385	336,040	47,824	1,250,197	215,123	5,077,036
STEELHEAD:								
1-POUND FLAT	-	-	163	3,852	163	3,852	163	3,852
1/2-POUND FLAT	-	-	7,270	195,618	7,270	195,618	7,270	195,618
1/4-POUND FLAT	-	-	5,946	258,833	5,946	258,833	5,946	258,833
TOTAL	-	-	13,379	458,303	13,379	458,303	13,379	458,303
GRAND TOTAL	973,941	25,727,689	94,453	3,196,131	1,068,394	28,923,820	4,163,147	92,280,544

1/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1-POUND CANS, EACH CONTAINING 16 OUNCES OF SALMON. SALMON WERE CANNED IN 31 PLANTS IN WASHINGTON, 8 IN OREGON, 1 IN CALIFORNIA, AND 89 IN ALASKA. DIETETIC SALMON PACK IS INCLUDED IN THESE TOTALS. THE FOLLWING QUANTITIES OF CANNED SMOKED SALMON ARE INCLUDED IN THE ABOVE TABLE: ALASKA 301 STANDARD CASES, VALUED AT $17,554, AND CALIFORNIA AND OREGON 128 STANDARD CASES, VALUED AT $7,848.

PACIFIC COAST STATES SALMON PACK, BY DISTRICTS, 1954

(IN STANDARD CASES)

SPECIES	PUGET SOUND		COLUMBIA RIVER		COASTAL		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING	6,281	$148,599	71,993	$2,550,257	286	$5,944	78,560	$2,704,800
CHUM OR KETA	294,799	4,644,352	12,530	190,484	15,476	220,843	322,805	5,055,679
PINK	14,059	317,919	-	-	275	6,050	14,334	323,969
RED OR SOCKEYE	579,575	18,680,422	8,485	336,212	3,432	114,238	591,492	19,130,872
SILVER OR COHO	33,596	852,826	12,670	367,000	1,558	30,371	47,824	1,250,197
STEELHEAD	-	-	13,379	458,303	-	-	13,379	458,303
TOTAL	928,310	24,644,118	119,057	3,902,256	21,027	377,446	1,068,394	28,923,820

PUGET SOUND SALMON PACK, BY ORIGIN OF FISH, 1954

SPECIES	PUGET SOUND FISH	CANADIAN FISH	ALASKAN FISH	TOTAL
	STANDARD CASES	STANDARD CASES	STANDARD CASES	STANDARD CASES
CHINOOK OR KING	3,684	1,370	1,227	6,281
CHUM OR KETA	52,284	220,171	22,344	294,799
PINK	1,402	27	12,630	14,059
RED OR SOCKEYE	501,179	6,540	71,856	579,575
SILVER OR COHO	27,706	1,546	4,344	33,596
TOTAL	586,255	229,654	112,401	928,310

PACK OF MAINE SARDINES, INCLUDING SEA HERRING, 1954

STYLE OF PACK	STANDARD CASES	VALUE	CAN CONTENTS AND CASE SIZE	ACTUAL CASES	VALUE
SOYBEAN OIL	2,409,820	$15,013,285	3-1/4 OUNCES NET (100 CANS)	2,735,225	$17,283,578
MUSTARD SAUCE	367,616	2,184,256	9 OUNCES NET (48 CANS)	23,635	153,876
TOMATO SAUCE	123,622	634,662	10 OUNCES NET (48 CANS)	6,560	43,623
OLIVE OIL	20,460	228,020	15 OUNCES NET (48 CANS)	70,768	663,108
PEANUT OIL	9,189	64,704	OTHER SIZES (CONVERTED TO 3-1/4 OUNCES NET-100 CANS)	1,825	8,630
OTHER 1/	4,226	27,888			
TOTAL	2,934,933	18,152,815	TOTAL	2,838,013	18,152,815

1/ INCLUDES PACK IN BRINE AND COTTONSEED OIL.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE UNIFORM BASIS OF ONE HUNDRED 1/4 OIL CANS (3-1/4 OUNCES NET) TO THE CASE. SARDINES (INCLUDING SEA HERRING) WERE CANNED IN 44 PLANTS IN MAINE.

PACK OF PACIFIC SARDINES (PILCHARDS), 1954

STYLE OF PACK	STANDARD CASES	VALUE	CAN AND CASE SIZE	ACTUAL CASES	VALUE
NATURAL, WITHOUT SAUCE OR OIL	414,575	$2,459,491	1 POUND CANS: 15 OUNCES NET, OVAL (48 CANS)	741,805	$5,608,427
IN TOMATO SAUCE	842,923	6,583,778	15 OUNCES NET, TALL (48 CANS)	485,721	2,879,715
IN MUSTARD SAUCE	49,748	372,065	7-1/2 OUNCES NET (48 CANS)	125,827	893,557
OTHER 1/	25,407	368,198	5 OUNCES NET (100 CANS)	60,724	401,443
			OTHER SIZES (CONVERTED TO 15 OUNCES NET (48 CANS)	65	390
TOTAL	1,332,653	9,783,532	TOTAL	1,414,142	9,783,532

1/ INCLUDES FILLETS: NATURAL, IN TOMATO SAUCE, IN OLIVE OIL, AND IN TOMATO SAUCE AND OLIVE OIL.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE UNIFORM BASIS OF FORTY-EIGHT 1-POUND CANS (15 OUNCES NET). SARDINES (PILCHARDS) WERE CANNED IN 22 PLANTS IN CALIFORNIA.

PACK OF TUNA AND TUNALIKE FISHES, 1954

SPECIES	CALIFORNIA		WASHINGTON, OREGON, AND HAWAII		ATLANTIC COAST, PUERTO RICO, AND AMERICAN SAMOA		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
TUNA:								
ALBACORE:								
SOLID PACK. . . .	1,034,645	$16,121,919	370,948	$6,150,800	16,676	$208,426	1,422,269	$22,481,145
CHUNKS.	368,800	5,267,485	51,138	670,969	5,888	79,904	425,826	6,018,358
FLAKES AND GRATED	323,203	2,933,468	122,322	1,067,615	2,069	16,165	447,594	4,017,248
TOTAL.	1,726,648	24,322,872	544,408	7,889,384	24,633	304,495	2,295,689	32,516,751
YELLOWFIN: 1/								
SOLID PACK. . . .	1,010,751	14,852,344	45,613	655,629	33,223	426,030	1,089,587	15,934,003
CHUNKS.	1,815,631	24,371,028	181,864	2,148,239	34,175	397,031	2,031,670	26,916,298
FLAKES AND GRATED	610,161	5,538,130	20,505	154,905	55,885	518,396	686,551	6,211,431
TOTAL.	3,436,543	44,761,502	247,982	2,958,773	123,283	1,341,457	3,807,808	49,061,732
BLUEFIN:								
SOLID PACK. . . .	68,183	890,005	-	-	-	-	68,183	890,005
CHUNKS.	335,148	4,633,516	(2)	(2)	-	-	335,148	4,633,516
FLAKES AND GRATED	75,988	673,477	(2)	(2)	-	-	75,988	673,477
TOTAL.	479,319	6,196,998	-	-	-	-	479,319	6,196,998
SKIPJACK:								
SOLID PACK. . . .	437,536	6,423,641	(2)	(2)	-	-	437,536	6,423,641
CHUNKS.	2,438,692	33,152,093	(2)	(2)	-	-	2,438,692	33,152,093
FLAKES AND GRATED	471,618	4,256,009	(2)	(2)	-	-	471,618	4,256,009
TOTAL.	3,347,846	43,831,743	-	-	-	-	3,347,846	43,831,743
TONNO, SOLID PACK .	196,208	2,732,652	-	-	-	-	196,208	2,732,652
UNCLASSIFIED:								
SOLID PACK. . . .	-	-	129,380	1,681,940	3/45,844	3/569,691	175,224	2,251,631
CHUNKS.	-	-	225,077	2,595,413	3/40,918	3/417,622	265,995	3,013,035
FLAKES AND GRATED	16,824	31,545	77,497	837,316	3/148,439	3/1,030,896	242,760	1,899,757
TOTAL.	16,824	31,545	431,954	5,114,669	235,201	2,018,209	683,979	7,164,423
TOTAL TUNA . . .	9,203,388	121,877,312	1,224,344	15,962,826	383,117	3,664,161	10,810,849	141,504,299
TUNALIKE FISHES:								
BONITO:								
SOLID PACK. . . .	11,269	94,501	-	-	-	-	11,269	94,501
CHUNKS.	1,588	11,357	-	-	-	-	1,588	11,357
FALKES AND GRATED	32,377	259,488	-	-	-	-	32,377	259,488
TOTAL.	45,234	365,346	-	-	-	-	45,234	365,346
YELLOWTAIL:								
SOLID PACK. . . .	979	7,434	-	-	-	-	979	7,434
CHUNKS.	1,325	15,235	-	-	-	-	1,325	15,235
FLAKES AND GRATED	30,511	256,502	-	-	-	-	30,511	256,502
TOTAL.	32,815	279,171	-	-	-	-	32,815	279,171
TOTAL TUNALIKE .	78,049	644,517	-	-	-	-	78,049	644,517
GRAND TOTAL. . .	9,281,437	122,521,829	1,224,344	15,962,826	383,117	3,664,161	10,888,898	142,148,816

1/ INCLUDES A SMALL PACK OF BIG EYED TUNA IN CALIFORNIA.
2/ INCLUDED WITH THE UNCLASSIFIED SPECIES.
3/ INCLUDES BLUEFIN, YELLOWFIN, AND BABY FOOD TUNA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT NO. 1/2 TUNA CANS TO THE CASE, EACH CAN CONTAINING 7 OUNCES NET WEIGHT OF SOLID PACK OR 6-1/2 OUNCES NET WEIGHT OF CHUNKS, OR 6 OUNCES NET WEIGHT OF FLAKES OR GRATED. DIETETIC AND BABY FOOD TUNA PACKS ARE INCLUDED IN THESE TOTALS. TUNA AND TUNALIKE FISHES WERE CANNED IN 23 PLANTS IN CALIFORNIA, 6 IN OREGON, 4 IN WASHINGTON, 2 IN HAWAII, 2 IN MARYLAND, AND 1 PLANT EACH IN MAINE, MASSACHUSETTS, PENNSYLVANIA, PUERTO RICO, AND AMERICAN SAMOA.

PACK OF TUNA AND TUNALIKE FISHES, BY CAN SIZES, 1954

CAN AND CASE SIZE	ACTUAL CASES	VALUE	CAN AND CASE SIZE	ACTUAL CASES	VALUE
4-POUNDS. . . . . 12 CANS	1/27,098	$538,593	4 OUNCES. . . 100 CANS	83,049	$1,322,808
1-POUND . . . . . 48 CANS	34,394	841,516	OTHER SIZES (CONVERTED TO STANDARD CASES)	101,281	682,353
1/2-POUND . . . . . 48 CANS	10,199,487	132,214,235			
1/4-POUND . . . . . 48 CANS	738,056	6,549,311	TOTAL.	11,183,365	142,148,816

1/ INCLUDES A SMALL QUANTITY OF 2 POUND 48 CAN CASES.

PACK OF CANNED ALEWIVES, 1954

STATE	STANDARD CASES	VALUE
MARYLAND AND NORTH CAROLINA	12,585	$61,500
VIRGINIA	53,131	229,050
TOTAL	65,716	290,550

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH. PRACTICALLY THE ENTIRE PACK WAS CANNED IN 15 OUNCE CANS. ALEWIVES WERE CANNED IN 3 PLANTS IN MARYLAND, 7 IN VIRGINIA, AND 3 IN NORTH CAROLINA.

PACK OF CANNED MACKEREL, 1954

ITEM	STANDARD CASES	VALUE
NATURAL	319,869	$2,162,271
IN TOMATO SAUCE	9,229	68,322
TOTAL	329,098	2,230,593

1/ INCLUDES THE PACK OF JACK MACKEREL IN CALIFORNIA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH. PRACTICALLY THE ENTIRE PACK WAS CANNED IN 15 OUNCE CANS. MACKEREL WERE CANNED IN 21 PLANTS IN CALIFORNIA, 1 IN MAINE, AND 1 IN MASSACHUSETTS.

PACK OF ANCHOVIES, 1954

STYLE OF PACK	STANDARD CASES	VALUE	CAN AND CASE SIZE	ACTUAL CASES	VALUE
NATURAL, WITHOUT SAUCE OR OIL 1/	29,620	$173,559	5 OUNCES NET (100 CANS)	235,236	$1,381,485
			7-1/2 OUNCES NET (48 CANS)	23,142	133,197
			7-1/2 OUNCES NET (96 CANS)	61,961	459,423
IN TOMATO SAUCE	467,250	2,549,081	15 OUNCES NET (48 CANS)	108,158	748,535
TOTAL	496,870	2,722,640	TOTAL	428,497	2,722,640

1/ INCLUDES A SMALL PACK OF SPICED ANCHOVIES.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE UNIFORM BASIS OF 100 CANS, EACH CAN CONTAINING 5 OUNCES OF ANCHOVY. ANCHOVIES WERE CANNED IN 17 PLANTS IN CALIFORNIA.

PACK OF CANNED SHAD, 1954

STATE	STANDARD CASES	VALUE
MARYLAND AND OREGON	4,042	$33,332

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE UNIFORM BASIS OF FORTY-EIGHT NO. 1 TALL CANS TO THE CASE, EACH CAN CONTAINING 15 OUNCES OF FISH. SHAD WERE CANNED IN 1 PLANT IN MARYLAND AND 2 PLANTS IN OREGON.

PACK OF CANNED ANIMAL FOOD FROM FISHERY PRODUCTS, 1954

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE	CAN AND CASE SIZE	ACTUAL CASES	VALUE
MAINE (2) AND MASSACHUSETTS (7), NEW YORK (1), NEW JERSEY (1),	1,686,871	$6,891,227	8 OUNCES NET (48 CANS)	2,023,380	$5,315,381
MARYLAND (1), AND VIRGINIA (1)	252,089	956,538	8 OUNCES NET (96 CANS)	30,963	165,029
MISSISSIPPI (2), ILLINOIS (1), MICHIGAN (1), AND TENNESSEE (1)	1,157,357	5,689,020	16 OUNCES NET (48 CANS)	3,068,400	13,288,696
WASHINGTON (2), AND OREGON (3)	49,148	188,736	OTHER SIZES (CONVERTED TO STANDARD CASES)	10,889	55,407
CALIFORNIA (12)	976,477	5,098,992			
TOTAL (35)	4,121,942	18,824,513	TOTAL	5,133,632	18,824,513

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CONTAINING 16 OUNCES.

PACK OF CANNED FISH ROE AND CAVIAR, 1954

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	VALUE	STATES OF PRODUCTION AND NUMBER OF PLANTS
ROE:			
ALEWIFE (24)1/	37,651	$454,323	MASSACHUSETTS (1), CONNECTICUT (1), NEW YORK (1), MARYLAND (3), VIRGINIA (10), NORTH CAROLINA (8)
SHAD (9)	2,440	225,919	MARYLAND (1), WASHINGTON (2), OREGON (5) CALIFORNIA (1)
CAVIAR, SALMON (2), STURGEON (2), WHITEFISH (2), LUMPFISH (1)	5,048	588,411	NEW YORK (3), WISCONSIN (1)
TOTAL EDIBLE ROE AND CAVIAR	45,139	1,268,653	
SALMON EGGS FOR BAIT (8)	15,148	574,846	WASHINGTON (8)
GRAND TOTAL	60,287	1,843,499	

1/ INCLUDES THE PRODUCTION OF DEEP SEA AND CISCO ROE PACKED IN 2 PLANTS.
NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CAN CONTAINING 16 OUNCES OF ROE OR CAVIAR.

PACK OF CANNED FISH ROE AND CAVIAR, BY STATES, 1954

STATE	NUMBER OF PLANTS	STANDARD CASES	VALUE	STATE	NUMBER OF PLANTS	STANDARD CASES	VALUE
MASSACHUSETTS, CONNECTICUT, WISCONSIN	1, 1, 1	5,262	$98,653	NORTH CAROLINA	8	10,221	$118,383
NEW YORK	3	4,779	554,696	WASHINGTON	10	15,202	579,727
MARYLAND	3	2,747	40,403	OREGON, CALIFORNIA	5, 1	2,279	212,048
VIRGINIA	10	19,797	239,589	TOTAL	43	60,287	1,843,499

PACK OF MISCELLANEOUS CANNED FISHERY PRODUCTS, 1954

PRODUCT	STANDARD CASES	VALUE	LOCATION AND NUMBER OF PLANTS
FISH:			
FISH CAKES (PRINCIPALLY GROUNDFISH)	104,312	$1,295,345	MAINE (2), MASSACHUSETTS (1), VIRGINIA (1)
FISH FLAKES (GROUNDFISH) AND FISH PASTE AND SPREAD (ANCHOVY AND SALMON)	17,764	394,261	MAINE (2), MASSACHUSETTS (1), NEW YORK (1), MARYLAND (1)
FISH, SMOKED OR KIPPERED (STURGEON)	530	32,596	WASHINGTON (2), OREGON (3)
FISH SPECIALTIES (FISH BAIT, FISH CHOWDER, DEVILED FISH, TUNA AND NOODLES, CREAMED TUNA, CREAMED COD, SALMON WITH CHEESE, SALMON DINNER, SALMON LIVERS, TUNA WITH SHERRY, AND SARDINE COCKTAIL)	299,631	2,692,239	MAINE (2), NEW JERSEY (1), VIRGINIA (1), FLORIDA (1), CALIFORNIA (5), WASHINGTON (3)
MISCELLANEOUS FISH (SALTED COD, RED DRUM, MENHADEN, AND PACIFIC HERRING)	7,123	72,637	MASSACHUSETTS (1), MARYLAND (1), NORTH CAROLINA (1), CALIFORNIA (2)
SHELLFISH:			
CRAB SPECIALTIES (BISQUE, COCKTAIL, CREOLE, DEVILED, NEWBURG, SOFT CRABS, AND SOUP)	4,428	59,027	NEW JERSEY (1), MARYLAND (2), NORTH CAROLINA (1), FLORIDA (1), LOUISIANA (1), WASHINGTON (1)
LOBSTER SPECIALTIES (BISQUE, A LA KING, MEAT, NEWBURG, PASTE, SAVANNAH, SOUP, SPREAD, STEW, AND THERMIDOR)	4,093	162,841	MAINE (2), MASSACHUSETTS (1), NEW YORK (1), NEW JERSEY (1), PENNSYLVANIA (1), LOUISIANA (1)
SHRIMP SPECIALTIES (ASPIC, BISQUE, CAKES, COCKTAIL, CREOLE, CURRY, GUMBO, NEWBURG, PASTE, SMOKED, AND SOUP)	6,364	100,702	MASSACHUSETTS (1), NEW YORK (1), NEW JERSEY (1), PENNSYLVANIA (1), MARYLAND (2), SOUTH CAROLINA (1), LOUISIANA (5), AND WASHINGTON (1)
CLAM SPECIALTIES (BISQUE, CAKES, WHOLE IN THE SHELL, SMOKED, AND COCKTAIL)	2,673	25,212	MAINE (1), MARYLAND (1), WASHINGTON (4)
OYSTER SPECIALTIES:			
SMOKED	1,528	146,137	WASHINGTON (7)
STEW	103,813	1,468,350	WASHINGTON (4), OREGON (2)
COCKTAIL AND SOUP	1,656	26,087	MARYLAND (1), LOUISIANA (2), WASHINGTON (3)
SQUID	135,072	472,405	CALIFORNIA (8)
TERRAPIN AND TURTLE:			
MEAT	1,038	39,530	NEW JERSEY (1), GEORGIA (1), FLORIDA (1)
SOUP, STEW, AND CHILI	7,841	105,154	NEW JERSEY (1), PENNSYLVANIA (1), OHIO (1), GEORGIA (1), FLORIDA (1), LOUISIANA (3)
MISCELLANEOUS SHELLFISH AND SPECIALTIES (MUSSELS, SEAFOOD NEWBURG, SCALLOP NEWBURG, CONCHS, BOUILLABAISSE, FROG LEGS NEWBURG, AND BISQUE	3,912	102,196	MAINE (2), MASSACHUSETTS (1), NEW JERSEY (2), LOUISIANA (3)
TOTAL	701,778	7,194,719	

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CONTAINING 16 OUNCES NET WEIGHT.

PACK OF CANNED CLAMS AND CLAM PRODUCTS, 1954

SPECIES, STATE AND NUMBER OF PLANTS	STANDARD CASES					
	WHOLE AND MINCED		CHOWDER AND JUICE		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
SOFT CLAMS:						
MAINE (6) 1/	34,328	$448,264	317,287	$1,978,563	351,615	$2,426,827
RAZOR CLAMS:						
WASHINGTON (2), OREGON (1)	4,433	89,089	-	-	4,433	89,089
ALASKA (9)	25,170	488,869	-	-	25,170	488,869
TOTAL RAZOR CLAMS (12)	29,603	577,958	-	-	29,603	577,958
HARD CLAMS: 2/						
RHODE ISLAND (1), NEW YORK (5), NEW JERSEY (2), PENNSYLVANIA (2), DELAWARE (1)	320,762	3,310,541	891,015	5,681,855	1,211,777	8,992,396
WASHINGTON (6), CALIFORNIA (2)	22,336	188,796	21,025	105,907	43,361	294,703
ALASKA (1)	1,307	9,149	-	-	1,307	9,149
TOTAL HARD CLAMS (18)	344,405	3,508,486	912,040	5,787,762	1,256,445	9,296,248
GRAND TOTAL (37)	408,336	4,534,708	1,229,327	7,766,325	1,637,663	12,301,033

CAN CONTENTS AND NUMBER OF CANS TO CASE	ACTUAL CASES			
	WHOLE AND MINCED		CHOWDER, JUICE, AND NECTAR	
	CASES	VALUE	CASES	VALUE
TIN:				
3-1/2 OUNCES DRAINED WEIGHT (48 CANS)	7,296	$96,335	-	-
4 OUNCES DRAINED WEIGHT (24 CANS)	72,812	317,670	-	-
4 OUNCES DRAINED WEIGHT (48 CANS)	32,790	493,902	-	-
5 OUNCES DRAINED WEIGHT (24 CANS)	107,680	733,325	-	-
8 OUNCES DRAINED WEIGHT (24 CANS)	3,384	29,968	-	-
8 OUNCES DRAINED WEIGHT (48 CANS)	62,963	1,268,805	-	-
8 OUNCES NET WEIGHT (48 CANS)	-	-	77,082	$268,647
10 OUNCES DRAINED WEIGHT (24 CANS)	36,454	172,698	-	-
10 OUNCES NET WEIGHT (48 CANS)	-	-	3/600,544	4,071,153
12 OUNCES NET WEIGHT (24 CANS)	-	-	6,847	32,541
15 OUNCES NET WEIGHT (24 CANS)	-	-	446,696	2,098,710
51 OUNCES DRAINED WEIGHT (6 CANS)	77,499	905,655	-	-
51 OUNCES NET WEIGHT (12 CANS)	-	-	92,500	957,418
96 OUNCES NET WEIGHT (6 CANS)	-	-	6,681	32,693
OTHER SIZES, DRAINED WEIGHT (STANDARD CASES)	52,521	461,080	-	-
OTHER SIZES, NET WEIGHT (STANDARD CASES)	-	-	38,055	215,406
TOTAL TIN PACK	453,399	4,479,438	1,268,405	7,676,568
GLASS:				
MISCELLANEOUS SIZES, DRAINED WEIGHT (STANDARD CASES)	4,735	55,270	-	-
MISCELLANEOUS SIZES, NET WEIGHT (STANDARD CASES)	-	-	15,513	89,757
TOTAL GLASS PACK	4,735	55,270	15,513	89,757
GRAND TOTAL	458,134	4,534,708	1,283,918	7,766,325

1/ INCLUDES THE PACK OF SURF CLAMS IN MAINE.
2/ INCLUDES THE PACK OF SURF CLAMS IN NEW YORK, NEW JERSEY AND DELAWARE; PISMO CLAMS IN CALIFORNIA; AND COCKLES IN ALASKA.
3/ INCLUDES THE PACK OF CLAMS IN THE FOLLOWING SIZES: 11 OUNCES, 24 PER CASE AND 10-1/2 OUNCES, 48 PER CASE CONVERTED TO STANDARD CASES OF 48 10 OUNCE CANS.
NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF 48 NO. 1 PICNIC CANS, EACH CAN OF WHOLE OR MINCED CLAMS CONTAINING 5 OUNCES OF MEAT, DRAINED WEIGHT; AND EACH CAN OF CHOWDER, JUICE, BROTH, BOUILLON, OR NECTAR, 10 OUNCES NET CONTENT. THE PACK OF CLAMS CANNED IN THE SHELL IS NOT INCLUDED IN THIS TABLE.

CANNED CLAM PRODUCTION, BY TYPE OF PACK, 1954

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	POUNDS	VALUE
WHOLE CLAMS (21)	63,342	950,130	$670,102
MINCED CLAMS (21)	344,994	5,174,910	3,864,606
CHOWDER (14)	1,179,168	35,375,040	7,530,268
CLAM JUICE (INCLUDES BOUILLON, CONSOMME, AND NECTAR) (9)	50,159	1,504,770	236,057
TOTAL (37)	1,637,663	43,004,850	12,301,033

PACK OF CANNED CRABS, 1954

STATE	SPECIES	STANDARD CASES		CAN AND CASE SIZES	ACTUAL CASES	
		CASES	VALUE		CASES	VALUE
ATLANTIC COAST AND GULF STATES:				5 OUNCES NET (24 CANS) . .	18,916	$214,482
MAINE, NORTH AND SOUTH CAROLINA, AND ALABAMA. .	ROCK AND BLUE	42,038	$962,911	6-1/2 OUNCES NET (24 CANS)	52,493	501,278
MISSISSIPPI AND LOUISIANA	BLUE	7,575	117,918			
TOTAL.		49,613	1,080,829	6-1/2 OUNCES NET (48 CANS)	81,103	2,038,666
PACIFIC COAST STATES AND ALASKA:						
WASHINGTON.	DUNGENESS	36,141	787,498	13 OUNCES NET (24 CANS). .	2,076	54,650
OREGON AND CALIFORNIA . .	DUNGENESS	25,079	578,631			
ALASKA:						
	DUNGENESS	8,425	237,582	OTHER SIZES CONVERTED TO		
	KING	33,217	1,014,753	STANDARD (6-1/2 OUNCES-		
TOTAL.		102,862	2,618,464	48 CANS).	37,572	890,217
GRAND TOTAL.		152,475	3,699,293	TOTAL	192,160	3,699,293

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CONTAINING 6-1/2 OUNCES OF CRAB MEAT. CRAB MEAT WAS CANNED IN 2 PLANTS IN ALABAMA; 9 IN WASHINGTON; 4 IN OREGON; 20 IN ALASKA; AND 1 PLANT EACH IN MAINE, NORTH CAROLINA, SOUTH CAROLINA, MISSISSIPPI, AND LOUISIANA.

PACK OF CANNED SHRIMP, 1954

STATE	METHOD OF PACK	STANDARD CASES		CAN AND CASE SIZE	ACTUAL CASES	
		CASES	VALUE		CASES	VALUE
MISSISSIPPI.	WET	199,193	$3,269,306	4-1/2 OUNCES (24 CANS) . .	277,195	$2,330,731
				4-1/2 OUNCES (48 CANS) . .	37,971	388,900
LOUISIANA	WET	692,208	9,756,687	5 OUNCES (24 CANS)	136,183	864,002
				5 OUNCES (48 CANS)	686,680	9,680,000
SOUTH CAROLINA, GEORGIA AND ALABAMA	WET	43,320	665,260	7 OUNCES (48 CANS)	2,421	80,612
				OTHER SIZES CONVERTED TO STANDARD CASES.	17,649	347,008
GRAND TOTAL.		934,721	13,691,253	TOTAL.	1,158,099	13,691,253

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CAN CONTAINING 5 OUNCES OF SHRIMP MEAT. SHRIMP WERE CANNED IN 16 PLANTS IN MISSISSIPPI; 21 IN LOUISIANA; 3 IN ALABAMA; AND 1 PLANT EACH IN NORTH CAROLINA, SOUTH CAROLINA, AND GEORGIA.

PACK OF CANNED OYSTERS, 1954

STATE	STANDARD CASES		CAN AND CASE SIZE	ACTUAL CASES	
	CASES	VALUE		CASES	VALUE
SOUTH CAROLINA AND GEORGIA. . .	52,580	$668,377	4-2/3 OUNCES (24 CANS). .	149,317	$984,294
ALABAMA	5,501	74,124	4-2/3 OUNCES (48 CANS). .	277,016	3,739,435
MISSISSIPPI	105,922	1,450,576	6-1/2 OUNCES (24 CANS). .	97,888	804,010
LOUISIANA	181,195	2,408,231	6-1/2 OUNCES (48 CANS). .	12,697	197,851
WASHINGTON AND OREGON	100,886	1,228,070	OTHER SIZES CONVERTED TO STANDARD CASES	8,553	103,788
TOTAL	446,084	5,829,378	TOTAL	545,471	5,829,378

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZED CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE, EACH CONTAINING 4-2/3 OUNCES DRAINED WEIGHT OF OYSTER MEATS. OYSTERS WERE CANNED IN 14 PLANTS IN MISSISSIPPI; 11 IN LOUISIANA; 7 IN WASHINGTON; 4 IN SOUTH CAROLINA; 3 IN ALABAMA; AND 1 EACH IN GEORGIA AND OREGON.

PLANTS PRODUCING CANNED FISHERY PRODUCTS AND BYPRODUCTS, 1954

STATE AND AREA	CANNED PRODUCTS	BYPRODUCTS	TOTAL PLANTS EXCLUSIVE OF DUPLICATION
NEW ENGLAND:			
MAINE	52	16	63
MASSACHUSETTS	10	9	17
CONNECTICUT	1	2	2
RHODE ISLAND	1	1	2
TOTAL	64	28	84
MIDDLE ATLANTIC:			
NEW YORK	11	5	16
NEW JERSEY	4	16	20
PENNSYLVANIA	2	5	7
DELAWARE	1	2	3
TOTAL	18	28	46
CHESAPEAKE BAY:			
MARYLAND	7	9	16
VIRGINIA	11	12	21
TOTAL	18	21	37
SOUTH ATLANTIC AND GULF:			
NORTH CAROLINA	9	17	22
SOUTH CAROLINA	5	2	6
GEORGIA	2	1	3
FLORIDA	2	4	6
ALABAMA	3	1	4
MISSISSIPPI	19	4	23
LOUISIANA	29	37	63
TEXAS	-	4	4
TOTAL	69	70	131
GREAT LAKES AND MISSISSIPPI RIVER:			
ARKANSAS	-	1	1
ILLINOIS	1	-	1
IOWA	-	11	11
MICHIGAN	1	-	1
MINNESOTA	-	2	2
MISSOURI	-	1	1
OHIO	1	-	1
TENNESSEE	1	-	1
WISCONSIN	1	-	1
TOTAL	5	15	20
PACIFIC COAST:			
WASHINGTON	64	13	76
OREGON	18	5	20
CALIFORNIA	41	35	52
TOTAL	123	53	148
ALASKA	99	10	109
PUERTO RICO	1	1	1
HAWAII	2	-	2
AMERICAN SAMOA	1	1	1
GRAND TOTAL	400	227	579

NUMBER OF PLANTS PRODUCING FISHERY BYPRODUCTS, 1954

PRODUCT	ATLANTIC AND GULF COASTS 1/	PACIFIC COAST ALASKA AND AMERICAN SAMOA	TOTAL
	NUMBER	NUMBER	NUMBER
MEAL AND SCRAP, DRIED:			
ANCHOVY	-	5	5
CRAB:			
BLUE	13	-	13
DUNGENESS	-	3	3
FUR SEAL	-	1	1
GROUNDFISH (INCLUDING OCEAN PERCH)	6	-	6
HERRING	9	5	14
MENHADEN	35	-	35
SARDINE (PILCHARD)	-	17	17
SALMON	-	4	4
SHRIMP	35	-	35
TUNA AND MACKEREL	1	22	23
MISCELLANEOUS MEAL AND SCRAP, DRIED	21	16	37
OIL, BODY:			
ANCHOVY	-	4	4
FUR SEAL	-	1	1
HERRING	9	5	14
MENHADEN	35	-	35
SARDINE (PILCHARD)	-	17	17
SALMON:			
EDIBLE	-	2	2
INDUSTRIAL	-	5	5
TUNA AND MACKEREL	-	17	17
MISCELLANEOUS	9	13	22
OIL, LIVER AND VISCERA:			
BURBOT	1	-	1
COD	3	-	3
HAKE	1	-	1
HALIBUT	-	2	2
POLLOCK	1	-	1
RATFISH	-	1	1
SABLEFISH	-	2	2
SHARK	1	3	4
TUNA	1	1	2
WHALE	1	-	1
VISCERA OIL	-	2	2
MISCELLANEOUS LIVER OIL	2	3	5
OYSTER-SHELL PRODUCTS:			
CRUSHED SHELL FOR POULTRY FEED	12	7	19
SHELL LIME:			
BURNED	2	-	2
UNBURNED	12	5	17
MUSSEL-SHELL PRODUCTS (FRESH-WATER):			
BUTTONS	12	-	12
CRUSHED SHELL FOR POULTRY FEED	1	-	1
LIME AND DUST	4	-	4
MARINE PEARL-SHELL BUTTONS	21	-	21
AGAR-AGAR	-	1	1
AMINO ACIDS AND VITAMIN CONCENTRATES	-	2	2
FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH	28	8	36
GLUE	1	-	1
IRISH MOSS EXTRACTIVES	2	-	2
KELP PRODUCTS	1	2	3
LIQUID FERTILIZER	-	2	2
PEARL ESSENCE	5	-	5
TOTAL EXCLUSIVE OF DUPLICATION	163	64	227

1/ INCLUDES FIRMS IN THE GREAT LAKES AND MISSISSIPPI RIVER STATES WHICH ENGAGED IN THE PRODUCTION OF FRESH-WATER MUSSEL-SHELL PRODUCTS, BURBOT LIVER OIL, AND MISCELLANEOUS FISH MEAL. ONE FIRM IN PUERTO RICO IS ALSO INCLUDED.

NOTE:--LISTS OF CANNERS AND MANUFACTURERS OF FISHERY BYPRODUCTS BY INDIVIDUAL COMMODITIES MAY BE OBTAINED FROM THE FISH AND WILDLIFE SERVICE, WASHINGTON 25, D.C.

PRODUCTION OF MARINE-ANIMAL SCRAP AND MEAL, 1954

PRODUCT	ATLANTIC AND GULF COASTS		PACIFIC COAST (INCLUDING ALASKA AND SAMOA)		TOTAL	
MEAL AND DRIED SCRAP:	TONS	VALUE	TONS	VALUE	TONS	VALUE
ANCHOVY	-	-	199	$25,442	199	$25,442
CRAB, BLUE	10,124	$598,082	-	-	10,124	598,082
CRAB, DUNGENESS	-	-	179	10,325	179	10,325
FUR SEAL	-	-	331	33,466	331	33,466
GROUNDFISH ("WHITE FISH" INC. OCEAN PERCH	7,236	934,585	-	-	7,236	934,585
HERRING	4,544	549,227	2,429	379,635	6,973	928,862
MENHADEN	183,091	23,783,364	-	-	183,091	23,783,364
SARDINE (PILCHARD)	-	-	6,513	842,649	6,513	842,649
SALMON	-	-	1,168	137,554	1,168	137,554
SHRIMP	874	50,278	-	-	874	50,278
TUNA AND MACKEREL	-	-	21,535	2,845,193	21,535	2,845,193
UNCLASSIFIED	1/13,186	1/1,916,545	5,506	641,420	18,692	2,557,965
TOTAL	219,055	27,832,081	37,860	4,915,684	256,915	32,747,765

1/ INCLUDES A SMALL PRODUCTION OF UNCLASSIFIED MEAL IN MINNESOTA AND TUNA MEAL IN PUERTO RICO.

PRODUCTION OF MARINE-ANIMAL OIL , 1954

PRODUCT	ATLANTIC AND GULF COASTS 1/		PACIFIC COAST (INCLUDING ALASKA)		TOTAL	
BODY OIL:	GALLONS	VALUE	GALLONS	VALUE	GALLONS	VALUE
ANCHOVY	-	-	9,308	$4,966	9,308	$4,966
FUR SEAL	-	-	40,220	19,905	40,220	19,905
HERRING	225,958	$114,283	534,969	320,064	760,927	434,347
MENHADEN	18,641,433	9,755,320	-	-	18,641,433	9,755,320
SARDINE (PILCHARD)	-	-	755,843	420,531	755,843	420,531
SALMON	-	-	183,012	141,906	183,012	141,906
TUNA AND MACKEREL	-	-	584,869	243,446	584,869	243,446
UNCLASSIFIED	2/446,094	2/285,094	206,310	108,008	652,404	393,102
TOTAL	19,313,485	10,154,697	2,314,531	1,258,826	21,628,016	11,413,523
LIVER AND VISCERA OIL:						
COD	161,518	133,849	-	-	161,518	133,849
SHARK	(3)	(3)	3/26,314	3/298,395	26,314	298,395
MISCELLANEOUS	4/24,983	4/378,027	5/303,446	5/912,259	328,429	1,290,286
TOTAL	186,501	511,876	329,760	1,210,654	516,261	1,722,530
GRAND TOTAL	19,499,986	10,666,573	2,644,291	2,469,480	22,144,277	13,136,053

1/ INCLUDES THE PRODUCTION OF BURBOT LIVER OIL IN MINNESOTA.
2/ INCLUDES THE PRODUCTION OF GROUNDFISH AND UNCLASSIFIED BODY OIL.
3/ EAST AND WEST COAST PRODUCTION COMBINED.
4/ INCLUDES THE PRODUCTION OF BURBOT, HAKE, POLLOCK, ROCK COD, TUNA, WHALE, AND MIXED LIVER OILS.
5/ INCLUDES THE PRODUCTION OF HALIBUT, RATFISH, SABLEFISH, TUNA, AND MIXED LIVER AND VISCERA OILS.

PRODUCTION OF FISH SOLUBLES AND HOMOGENIZED CONDENSED FISH, 1954

PRODUCT AND STATE	POUNDS	VALUE
FISH SOLUBLES:		
MAINE	1,373,145	$54,926
MASSACHUSETTS AND RHODE ISLAND	8,476,114	409,586
NEW YORK, NEW JERSEY, AND DELAWARE	64,741,417	3,086,427
VIRGINIA	20,675,600	1,137,200
NORTH CAROLINA AND FLORIDA	7,299,854	373,241
MISSISSIPPI	5,520,620	278,698
LOUISIANA	13,096,094	631,509
CALIFORNIA AND OREGON	50,990,210	2,304,682
TOTAL	172,173,054	8,276,269
HOMOGENIZED CONDENSED FISH:		
MASSACHUSETTS AND RHODE ISLAND	57,886,000	2,315,440
GRAND TOTAL	230,059,054	10,591,709

FISH UTILIZED AND PRODUCTS OF THE MENHADEN FISHERY, 1954

STATE AND NUMBER OF PLANTS	MENHADEN UTILIZED		DRY SCRAP AND MEAL		OIL		TOTAL
	POUNDS	NO. OF FISH	TONS	VALUE	GALLONS	VALUE	VALUE
MAINE (3) MASSACHUSETTS (2) RHODE ISLAND (1)	59,614,000	88,976,000	4,567	$599,238	763,997	$402,835	$1,002,073
NEW YORK (1) NEW JERSEY (3) DELAWARE (2)	779,424,000	1,163,320,000	84,087	10,532,432	9,554,044	4,975,220	15,507,652
VIRGINIA (3)	295,960,000	441,731,000	31,916	4,431,300	1,593,978	732,700	5,164,000
NORTH CAROLINA (7) SOUTH CAROLINA (1)	164,253,000	245,154,000	17,085	2,262,352	1,606,273	921,779	3,184,131
MISSISSIPPI (3)	79,445,000	118,575,000	6,790	892,052	646,180	313,650	1,205,702
FLORIDA (2) TEXAS (2)	91,810,000	137,029,000	9,938	1,307,148	1,100,885	565,360	1,872,508
LOUISIANA (4)	270,094,000	403,126,000	28,708	3,758,842	3,376,076	1,843,776	5,602,618
TOTAL (34)	1,740,600,000	2,597,911,000	183,091	23,783,364	18,641,433	9,755,320	33,538,684

NOTE:--IN ADDITION TO THE ABOVE MEAL AND OIL PRODUCTION, 112,547,095 POUNDS OF MENHADEN FISH SOLUBLES VALUED AT $5,564,717 WERE PRODUCED DURING 1954.

PRODUCTION OF OYSTER-SHELL PRODUCTS, 1954

STATE AND NUMBER OF PLANTS	CRUSHED SHELL FOR POULTRY FEED		SHELL LIME UNBURNED		TOTAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
ALABAMA (1), LOUISIANA (1)	275,987	$2,129,390	34,065	$107,526	310,052	$2,236,916
PENNSYLVANIA (3), MARYLAND (2)	38,373	632,833	10,177	64,978	48,550	697,811
VIRGINIA (3), NORTH CAROLINA (2)	2,965	56,402	1/11,148	1/192,225	14,113	248,627
TEXAS (2), WASHINGTON (3)	57,295	490,425	23,139	162,897	80,434	653,322
OREGON (1), CALIFORNIA (3)	23,913	288,802	5,625	47,040	29,538	335,842
TOTAL (23)	398,533	3,597,852	84,154	574,666	482,687	4,172,518

1/ INCLUDES A SMALL PRODUCTION OF BURNED LIME PRODUCED IN VIRGINIA.

PRODUCTION OF FRESH-WATER MUSSEL-SHELL PRODUCTS, 1954

STATE	BUTTONS		LIME AND POULTRY GRIT		TOTAL
	GROSS	VALUE	TONS	VALUE	VALUE
IOWA	4,221,628	$4,794,290	3,155	$22,051	$4,816,341
PENNSYLVANIA, MISSOURI, AND ARKANSAS	66,231	54,859	-	-	54,859
TOTAL	4,287,859	4,849,149	3,155	22,051	4,871,200

NOTE:--MUSSEL SHELL PRODUCTS WERE MANUFACTURED IN 11 PLANTS IN IOWA AND 1 PLANT EACH IN PENNSYLVANIA, MISSOURI, AND ARKANSAS.

MUSSEL SHELLS PURCHASED DURING THE YEAR AMOUNTED TO 10,438 TONS, VALUED AT $667,053 TO THE FISHERMEN. SHELLS WERE TAKEN IN 7 STATES IN THE MISSISSIPPI RIVER AND GREAT LAKES REGIONS. THE PRODUCING STATES IN THE ORDER OF THEIR IMPORTANCE WERE: TENNESSEE, WHICH CONTRIBUTED 30 PERCENT OF THE TOTAL QUANTITY; ALABAMA, 20 PERCENT; ARKANSAS, 18 PERCENT; KENTUCKY, 13 PERCENT; INDIANA, 11 PERCENT; ILLINOIS, 7 PERCENT; AND IOWA, 1 PERCENT.

PRODUCTION OF MARINE PEARL-SHELL BUTTONS, 1954

STATE	GROSS	VALUE
NEW YORK	846,163	$1,456,697
NEW JERSEY	862,988	1,766,726
CONNECTICUT, PENNSYLVANIA, AND MARYLAND	2,316,729	3,558,102
IOWA	14,611	17,807
TOTAL	4,040,491	6,799,332

NOTE:--MARINE PEARL-SHELL BUTTONS WERE MANUFACTURED IN 3 PLANTS EACH IN NEW YORK AND IOWA; 11 IN NEW JERSEY; 2 IN PENNSYLVANIA; AND 1 EACH IN CONNECTICUT AND MARYLAND.

PRODUCTION OF MISCELLANEOUS BYPRODUCTS, 1954

PRODUCT	STATE AND NUMBER OF PLANTS	VALUE
AGAR-AGAR	CALIFORNIA (1)	$9,252,219
AMINO ACID SOLUTIONS AND VITAMIN A	CALIFORNIA (1), OREGON (1)	
GLUE	MASSACHUSETTS (2)	
IRISH MOSS EXTRACTS	MAINE (1), MASSACHUSETTS (1)	
KELP PRODUCTS	MAINE (1), CALIFORNIA (2)	
LIQUID FERTILIZER	WASHINGTON (1), OREGON (1)	
PEARL ESSENCE	MAINE (4), VIRGINIA (1)	

Year	Salmon						Sardines			
	Pacific Coast States		Alaska		Total Salmon		Maine		Pacific	
	Cases	Value	Cases	Value	Cases	Value	Cases	Value	Cases	Value
1921-1930 average	1,147,835	$11,916,541	4,860,058	$33,893,502	6,007,893	$45,810,043	1,677,265	$6,031,760	1,953,474	$6,961,598
1931-1935 average	984,706	7,301,890	5,699,775	28,513,777	6,684,481	35,815,667	1,042,116	2,974,505	1,719,387	4,519,462
1936	527,574	5,309,438	8,437,603	44,751,633	8,965,177	50,061,071	1,845,860	5,740,454	2,616,530	7,302,273
1937	885,372	8,386,165	6,669,665	44,547,769	7,555,037	52,933,934	1,680,241	4,998,373	2,812,456	8,592,117
1938	472,721	5,728,892	6,806,998	36,636,897	7,279,719	42,365,789	671,635	2,367,045	2,261,678	7,102,358
1939	728,943	7,339,727	5,263,161	34,441,122	5,992,104	41,780,849	2,210,466	7,075,096	3,108,082	9,553,663
1940	535,663	6,575,176	5,069,343	31,474,492	5,605,006	38,049,668	1,117,748	3,736,394	2,945,882	8,975,257
1941	899,589	11,199,317	6,932,040	56,217,601	7,831,629	67,416,918	3,164,787	12,590,958	5,007,154	18,091,873
1942	759,032	13,673,968	5,075,974	48,300,209	5,835,006	61,974,177	2,873,246	12,162,451	3,744,624	15,509,964
1943	275,889	5,110,847	5,428,318	57,824,267	5,704,207	62,935,114	2,505,114	11,104,570	3,354,697	14,352,359
1944	245,588	5,187,136	4,893,059	51,196,140	5,138,647	56,383,276	3,261,984	14,819,803	3,650,919	15,225,919
1945	557,769	7,942,102	4,350,471	44,644,303	4,908,240	52,586,405	2,725,216	12,077,201	3,765,981	15,346,472
1946	560,289	17,003,459	3,949,878	53,157,194	4,510,167	70,160,653	3,276,338	20,275,590	2,977,170	19,895,649
1947	1,329,226	31,969,134	4,312,172	88,666,301	5,641,398	120,635,435	3,013,910	28,310,674	1,652,592	16,538,375
1948	810,075	24,008,466	4,014,891	96,528,730	4,824,966	120,537,196	3,682,392	29,359,114	2,654,149	21,892,893
1949	1,133,325	22,167,812	4,391,601	81,263,171	5,524,926	103,430,983	3,074,523	21,051,675	3,768,212	21,334,825
1950	1,001,819	27,187,060	3,307,985	82,354,118	4,309,804	109,541,178	3,844,164	21,209,033	5,070,805	26,345,609
1951	1,161,274	29,388,514	3,484,299	79,237,355	4,645,573	108,625,869	1,676,764	14,635,352	2,864,984	19,362,744
1952	890,156	21,906,773	3,574,191	76,357,016	4,464,347	98,263,789	3,530,876	21,502,970	106,746	918,072
1953	1,049,547	24,067,839	2,862,312	58,172,629	3,911,859	82,240,468	2,782,495	16,954,119	63,612	653,131
1954	1,068,394	28,923,820	3,094,753	63,356,724	4,163,147	92,280,544	2,934,933	18,152,815	1,332,653	9,783,532

Year	Tuna and Tunalike Fishes						Mackerel		Alewives		Fish Roe, Caviar, and Eggs for Bait	
	Tuna		Tunalike Fishes		Total Tuna and Tunalike Fishes							
	Cases	Value	Cases	Value	Cases	Value	Cases	Value	Cases	Value	Cases	Value
1921-1930 average	1,017,364	$7,135,011	45,874	$236,069	1,063,238	$7,371,080	1/229,293	1/$979,927	24,066	$77,558	2/68,740	2/$820,057
1931-1935 average	1,618,327	8,440,215	50,484	205,818	1,668,811	8,646,033	806,664	2,117,791	20,095	48,402	48,284	814,969
1936	2,415,549	13,558,819	265,185	1,156,572	2,680,734	14,715,391	1,236,850	3,542,895	24,140	58,527	59,040	1,028,293
1937	2,929,352	17,914,589	215,149	1,081,190	3,144,501	18,995,779	840,832	2,673,608	54,993	139,585	69,974	996,169
1938	2,512,345	14,143,133	241,798	1,040,503	2,754,143	15,183,636	965,629	2,896,220	52,886	143,558	61,337	786,441
1939	3,417,035	19,147,235	225,916	932,332	3,642,951	20,079,567	889,389	2,588,695	22,882	74,804	64,448	957,875
1940	3,994,470	22,926,463	193,990	801,097	4,188,460	23,727,560	1,421,894	4,101,369	24,486	72,070	61,852	891,814
1941	2,556,922	17,605,146	374,659	1,792,741	2,931,581	19,397,887	935,001	3,503,718	42,156	153,269	76,740	815,514
1942	2,404,908	30,008,885	79,841	733,608	2,484,749	30,742,493	721,189	3,693,082	77,232	399,555	53,190	910,890
1943	2,579,815	30,541,893	116,258	888,296	2,696,073	31,430,189	937,251	5,271,203	112,472	619,213	59,884	1,044,582
1944	3,530,877	40,615,221	29,143	220,896	3,560,020	40,836,117	1,225,060	7,033,997	135,995	793,254	55,677	824,197
1945	4,442,101	46,713,477	89,464	693,974	4,531,565	47,407,451	692,748	4,046,691	131,062	753,769	36,795	948,042
1946	4,596,629	57,342,706	187,857	1,793,117	4,784,484	59,135,823	962,150	7,575,291	193,980	1,180,197	58,192	1,905,638
1947	5,447,554	85,093,328	446,941	5,515,847	5,894,495	90,609,175	1,754,950	15,018,633	139,816	779,150	52,432	1,641,228
1948	6,663,619	107,980,968	374,139	4,631,328	7,037,758	112,612,296	1,281,192	9,850,834	123,134	639,356	50,629	1,473,320
1949	7,130,453	96,039,797	159,867	1,670,528	7,290,320	97,710,325	1,049,927	6,848,930	111,994	469,398	86,459	1,969,998
1950	8,944,598	112,136,363	71,943	693,731	9,016,541	112,830,094	1,457,048	7,491,816	69,568	316,993	71,557	1,908,559
1951	8,131,274	98,102,229	105,451	943,977	8,236,725	99,046,206	1,048,518	6,259,224	127,760	604,314	76,095	1,926,140
1952	8,893,889	111,075,890	227,000	1,958,620	9,120,889	113,034,510	1,525,353	11,362,697	79,861	374,680	64,080	1,681,010
1953	9,407,059	124,744,195	172,967	1,513,413	9,580,026	126,257,608	596,321	5,038,512	111,391	507,925	65,742	1,812,844
1954	10,810,849	141,504,299	78,049	644,517	10,888,898	142,148,816	329,098	2,230,593	65,716	290,550	60,287	1,843,499

Year	Clam Products		Crabs		Oysters		Shrimp		Other fish and shellfish	Total
	Cases	Value	Cases	Value	Cases	Value	Cases	Value	Value	Value
1921-1930 average	2/542,612	$2,119,298	1/2,870	$53,908	520,205	$2,524,660	910,491	$4,475,680	1/$2,162,290	$77,965,913
1931-1935 average	521,573	2,242,896	13,548	109,235	417,985	1,392,686	1,143,677	3,836,331	1,785,685	64,303,662
1936	754,334	2,976,297	14,600	130,753	566,470	2,180,869	1,024,392	4,672,198	2,155,233	94,564,254
1937	773,448	3,013,446	27,394	269,699	759,589	2,932,681	1,434,894	7,130,747	2,498,797	105,174,935
1938	769,665	3,189,628	27,398	260,134	516,901	1,886,476	1,207,553	4,872,393	2,392,211	83,445,889
1939	935,147	3,798,319	32,828	259,756	648,569	2,378,945	1,376,758	5,397,662	2,682,319	96,627,550
1940	927,628	3,778,363	38,740	308,890	690,585	2,526,859	1,116,249	4,318,325	3,695,372	94,181,941
1941	927,343	3,711,029	60,198	547,617	657,045	2,997,114	884,874	4,882,544	4,575,716	138,684,157
1942	782,602	3,791,058	114,548	1,755,065	523,262	3,598,703	963,352	7,347,330	3,112,179	144,996,947
1943	464,794	2,802,420	75,308	1,194,483	345,868	2,821,556	660,436	5,360,647	2,252,456	141,188,792
1944	547,696	3,820,612	86,942	1,361,458	273,556	2,283,429	561,649	4,854,799	4,677,376	152,914,237
1945	900,032	7,391,098	55,514	883,767	225,964	2,029,953	214,971	1,918,633	7,411,089	152,800,571
1946	1,527,789	11,145,047	199,078	4,720,119	390,835	5,249,272	522,130	8,428,735	17,957,441	227,629,455
1947	1,257,650	8,642,235	139,818	2,705,371	410,487	4,259,485	472,366	8,192,004	13,347,135	310,678,920
1948	1,179,774	8,329,639	220,802	4,846,494	357,080	4,777,531	558,870	7,791,313	14,071,493	336,181,479
1949	1,186,060	8,779,018	161,829	3,490,885	452,918	6,525,207	664,721	11,203,325	12,689,336	295,503,905
1950	1,518,950	10,839,889	137,203	3,121,269	492,390	7,096,235	786,251	12,773,346	17,861,326	331,335,347
1951	1,501,608	11,773,909	149,945	3,586,558	466,334	5,931,276	871,171	12,187,049	17,271,654	301,210,295
1952	1,698,991	12,209,558	86,058	2,087,019	529,143	7,047,441	817,910	12,998,814	24,348,638	305,829,198
1953	1,645,335	12,629,803	114,886	2,898,016	488,908	6,559,309	1,016,116	18,946,622	32,375,317	306,873,674
1954	1,637,663	12,301,033	152,475	3,699,293	446,084	5,829,378	934,721	13,691,253	28,775,204	331,026,510

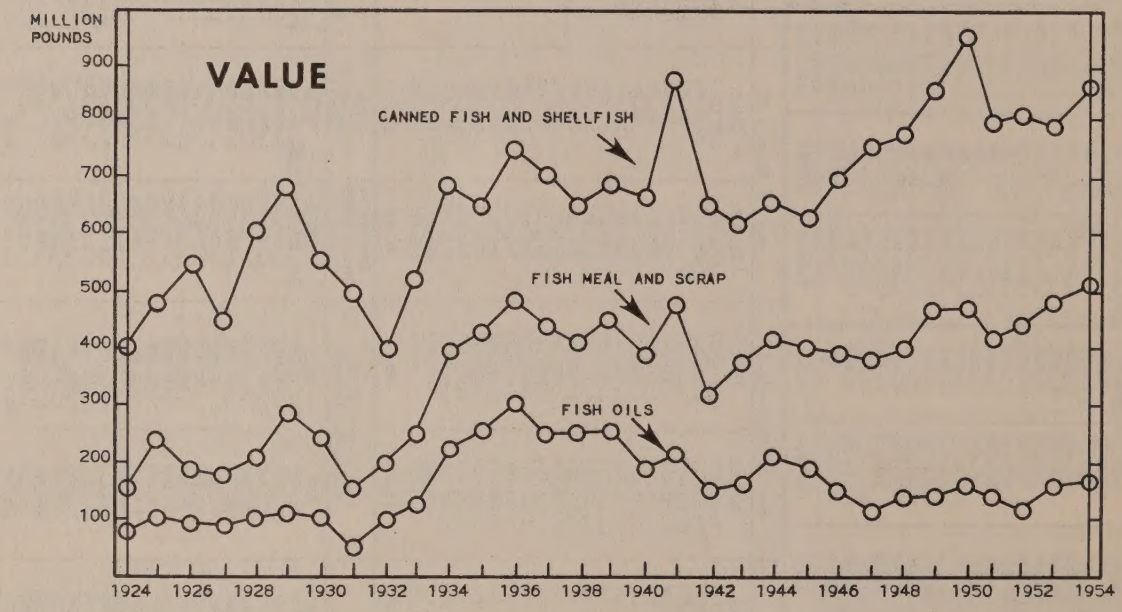
1/ Represents 5-year average, 1926 - 1930. 2/ Represents 4-year average, 1927 - 1930 inclusive.
Note:--The cases listed above for all years are the same as found in the individual pack tables in this bulletin.

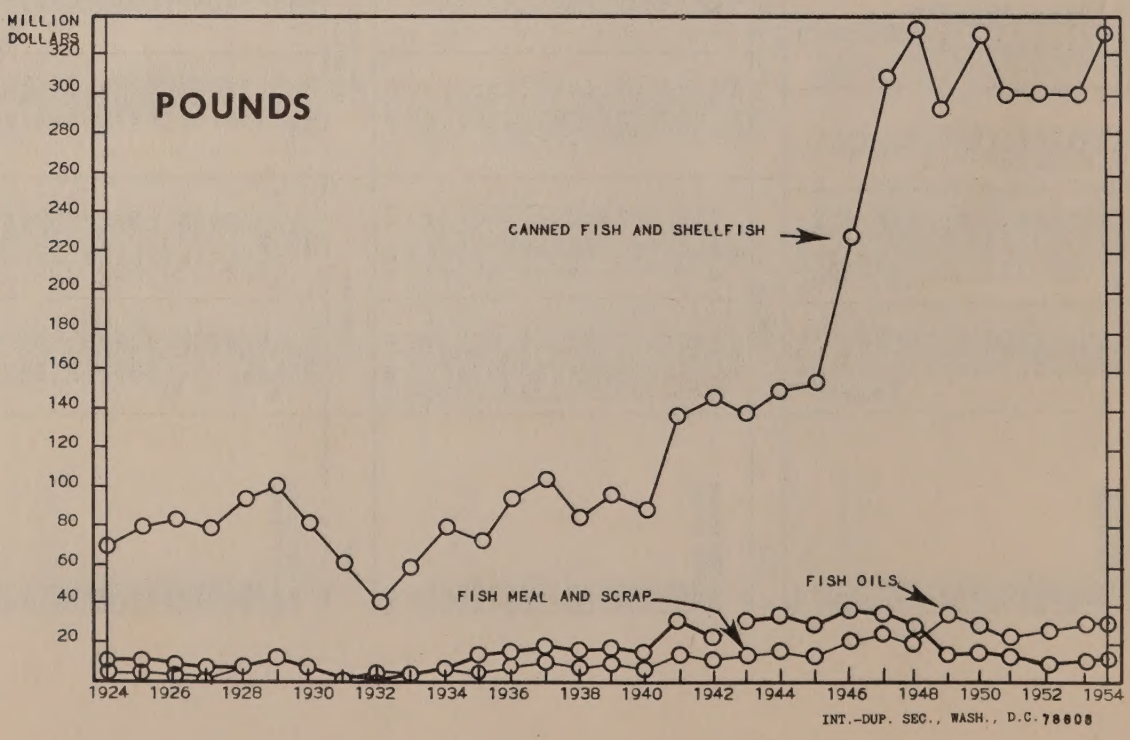
Year	Menhaden Dried Scrap and Meal		Menhaden Acidulated Scrap		Herring Meal		Sardine (Pilchard) Meal		Tuna and Mackerel Meal		Other Meal, Dried and Green Scrap	
	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value	Tons	Value
1921-1930 average	34,109	$1,587,175	28,374	$678,844	(1)	(1)	2/22,726	2/$1,241,001	2/3,047	2/$151,334	34,163	$1,638,101
1931-1935 average	31,488	935,645	15,407	257,799	12,634	$363,085	55,494	1,648,972	3/8,550	3/226,263	23,421	827,215
1936	42,411	1,411,710	23,482	359,615	16,780	593,357	121,739	3,968,305	11,847	359,409	27,519	1,004,002
1937	35,801	1,581,219	31,600	618,104	20,460	680,382	89,422	3,325,282	13,066	456,358	29,593	904,190
1938	39,274	1,576,620	21,814	418,936	17,747	592,588	89,927	3,437,892	11,224	409,211	25,230	982,916
1939	52,950	2,224,920	15,853	265,850	18,222	763,419	96,947	4,103,638	12,084	464,578	30,046	1,271,192
1940	56,249	2,423,229	15,520	271,533	9,216	380,134	69,975	3,007,705	14,955	610,007	27,329	1,141,213
1941	75,316	4,008,355	11,029	242,792	12,520	847,116	97,979	5,942,272	8,693	484,886	31,307	1,570,152
1942	50,504	3,362,279	2,594	80,520	5,591	386,059	71,828	5,310,037	7,144	465,481	33,419	2,021,383
1943	66,357	4,766,672	1,555	58,821	9,170	690,230	75,611	5,775,932	7,766	505,199	29,944	1,832,248
1944	69,170	4,913,224	2,922	111,104	14,212	1,044,861	86,196	6,582,600	9,648	644,458	30,999	1,946,775
1945	77,451	5,483,377	1,557	62,200	14,344	1,120,042	60,860	4,643,694	10,273	705,976	36,190	2,390,049
1946	94,622	8,605,118	2,022	78,475	19,505	2,248,342	36,899	5,233,075	13,584	1,743,189	32,989	2,530,624
1947	98,602	10,883,852	632	26,863	18,453	2,649,474	16,715	2,556,038	19,761	2,998,321	32,276	3,265,803
1948	4/104,058	11,560,914	(4)	(4)	17,686	2,065,042	19,076	2,614,616	21,305	2,757,778	37,419	4,090,384
1949	4/113,393	17,813,339	(4)	(4)	5,298	973,445	39,278	6,219,717	19,139	3,073,742	60,072	7,571,899
1950	4/103,365	12,864,751	(4)	(4)	17,797	2,138,776	43,009	5,269,696	25,377	3,268,594	50,406	5,711,918
1951	4/115,464	13,879,523	(4)	(4)	9,631	1,370,083	17,225	2,266,968	23,147	3,021,720	44,289	4,835,603
1952	4/144,025	17,847,361	(4)	(4)	9,864	1,314,361	390	51,741	21,951	2,892,874	45,173	5,055,317
1953	174,752	21,767,205	-	-	5,206	717,472	144	18,966	20,029	2,622,631	38,720	4,433,379
1954	183,091	23,783,364	-	-	6,973	928,862	6,513	842,649	21,535	2,845,193	38,803	4,347,697

Year	Menhaden Oil		Herring Oil		Sardine (Pilchard) Oil		Tuna and Mackerel Oil		Whale and Sperm Oil	
	Gallons	Value	Gallons	Value	Gallons	Value	Gallons	Value	Gallons	Value
1921-1930 average	4,863,899	$1,969,152	2,063,436	$797,716	2,770,878	$1,156,437	2/45,354	2/$13,933	1,403,568	$678,544
1931-1935 average	3,200,351	582,152	3,116,230	562,980	12,458,879	2,835,610	3/182,452	3/38,512	775,424	178,453
1936	4,880,879	1,249,708	3,796,586	954,706	26,131,439	8,336,079	357,914	98,221	4,154,966	1,707,561
1937	3,895,613	1,456,333	5,623,045	2,114,548	15,993,216	6,203,616	222,774	61,514	9,226,289	4,170,001
1938	4,189,129	1,173,667	4,579,565	1,298,837	17,539,567	5,205,337	278,879	81,532	7,741,000	3,184,058
1939	6,005,414	1,624,024	4,847,512	1,157,418	19,996,422	6,078,317	310,661	92,906	3,550,230	1,132,871
1940	5,774,671	1,304,720	2,241,169	606,722	12,626,849	3,761,160	447,326	123,801	2,561,518	952,164
1941	6,034,050	2,829,441	3,041,315	1,563,545	18,125,147	9,879,290	250,517	100,048	34,058	15,907
1942	5,128,760	3,200,129	985,403	646,565	12,508,958	8,067,750	214,932	112,042	47,247	31,733
1943	5,734,668	3,892,142	1,727,441	1,129,446	13,947,295	9,301,593	219,044	131,906	37,964	30,406
1944	6,067,111	3,725,498	2,389,287	1,603,078	18,098,982	11,722,950	317,236	177,774	7,185	5,135
1945	8,335,094	5,656,550	2,663,546	1,786,040	11,852,994	7,926,147	304,143	173,452	-	-
1946	9,758,648	9,033,032	3,532,454	4,292,776	4,866,567	6,843,376	359,437	395,475	-	-
1947	8,473,371	11,425,497	3,875,025	4,144,643	2,103,965	2,677,453	748,017	958,998	66,374	70,007
1948	8,763,939	10,132,179	3,643,537	4,004,250	2,328,572	2,457,858	660,515	622,110	120,089	130,217
1949	8,293,911	3,407,510	723,350	394,297	6,123,140	2,872,532	597,935	265,736	74,950	52,475
1950	10,209,958	5,866,554	3,309,457	2,366,005	6,188,607	4,693,550	884,434	553,231	-	-
1951	12,537,115	9,771,154	1,512,814	1,205,384	1,942,586	1,545,937	712,620	525,552	68,500	50,200
1952	12,886,646	5,785,395	1,081,963	517,538	20,881	10,815	744,827	367,585	-	-
1953	17,824,477	8,806,317	718,632	360,533	13,128	6,402	659,176	314,586	-	-
1954	18,641,433	9,755,320	760,927	434,347	755,843	420,531	584,869	243,446	-	-

Year	Liver Oils		Other Marine Animal Oils		Oyster and Marine Clam-shell Products		Fresh-water Mussel-shell Products	Marine Pearl-shell Products	Other Byproducts	Grand total
	Gallons	Value	Gallons	Value	Tons	Value	Value	Value	Value	Value
1921-1930 average	(5)	(5)	5/459,292	5/$222,121	308,823	$2,455,768	6/$5,575,967	7/$4,544,147	$1,001,606	8/$17,948,654
1931-1935 average	3/109,419	3/$912,476	295,480	114,243	314,802	1,606,093	4,210,128	3,491,872	1,165,471	19,721,516
1936	351,400	2,896,655	228,634	85,536	383,703	1,578,108	4,710,260	4,265,986	1,389,766	34,968,984
1937	347,921	2,204,097	325,811	145,643	382,718	1,612,847	4,791,205	5,079,895	1,398,811	36,804,045
1938	506,203	2,476,343	305,792	106,241	339,425	1,416,557	2,698,879	4,197,503	1,319,250	30,576,367
1939	677,975	4,471,688	363,899	139,845	386,005	1,539,557	2,492,342	4,827,413	1,388,836	34,038,814
1940	790,621	5,088,153	373,384	188,458	395,088	1,479,847	2,489,438	5,399,720	1,326,254	30,554,258
1941	1,233,242	14,871,588	565,298	334,395	438,407	1,985,253	3,037,350	6,236,714	2,851,970	56,801,074
1942	1,000,912	10,034,907	692,892	486,476	466,037	2,582,261	5,064,271	5,528,421	3,516,548	50,896,862
1943	851,854	14,841,970	597,950	485,391	509,285	2,820,986	3,782,028	4,696,593	4,394,653	59,136,266
1944	998,802	13,237,435	444,372	536,911	582,215	3,134,696	4,428,903	4,134,738	5,348,413	63,298,553
1945	804,288	11,202,207	541,787	491,326	507,096	2,573,717	4,844,647	3,286,245	5,864,937	58,210,606
1946	895,884	13,478,590	618,020	658,883	390,433	2,270,853	6,629,578	5,635,904	6,964,960	76,642,850
1947	832,510	11,643,468	633,630	830,596	501,393	3,263,158	8,166,000	7,902,000	7,130,156	80,592,327
1948	740,137	12,507,652	826,822	1,128,541	345,075	2,474,492	5,447,121	8,587,011	9,285,458	79,865,623
1949	834,357	9,845,455	1,048,190	526,972	362,028	2,662,252	3,767,703	6,782,281	12,243,140	78,472,495
1950	331,257	3,431,090	840,136	562,279	399,375	2,950,053	5,064,495	9,239,018	13,208,356	77,188,366
1951	299,575	2,579,347	1,099,099	946,069	453,319	3,568,745	3,845,661	7,714,846	12,186,235	69,313,027
1952	276,609	2,075,014	1,081,483	635,021	429,348	3,359,024	4,438,545	6,905,104	16,735,936	67,991,631
1953	204,331	1,436,627	874,374	557,441	466,732	3,830,276	5,357,849	7,403,894	16,738,418	74,371,996
1954	516,261	1,722,530	884,944	559,879	482,687	4,172,518	4,871,200	6,799,332	19,843,928	81,570,796

PRODUCTION AND VALUE OF CANNED FISH, FISH MEALS AND OILS, 1924-1954





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